Amendments to and Listing of the Claims:

Please amend claims 1, 3 and 4 so that the claims read as follows:

1. (Currently Amended) A polymer electrolyte fuel cell comprising: a hydrogen ion conductive polymer electrolyte membrane; and a pair of electrodes having catalyst layers sandwiching said hydrogen ion conductive polymer electrolyte membrane therebetween and gas diffusion layers in contact with said catalyst layers, wherein at least the catalyst layer of one of said electrodes comprises carbon particles supporting a noble metal catalyst, and said carbon particles comprise at least first carbon particles adsorbing a first hydrogen ion conductive polymer electrolyte having a first particle size and second carbon particles adsorbing a second hydrogen ion conductive polymer electrolyte having a second particle size, wherein the first and the second carbon particles may be the same or different and the first and second particle sizes of the first and second hydrogen conductive polymer electrolytes are different. ~~, and the first and the second hydrogen conductive polymer electrolytes are different in size.~~

2. (Previously Presented) The polymer electrolyte fuel cell as set forth in claim 1, wherein the first and the second carbon particles differ from each other in specific surface area or DBP oil adsorption.

3. (Currently Amended) The polymer electrolyte fuel cell as set forth in claim 1, wherein [[a]] the first particle size of said first hydrogen ion conductive polymer electrolyte is within a range of 30 to 200 nm when measured by a light-scattering photometer.

4. (Currently Amended) The polymer electrolyte fuel cell as set forth in claim 1, wherein the first carbon particles have a specific surface area of 30 to 400 m^2/g and the second carbon particles have a specific surface area of 400 to 1600 m^2/g, and the first and second particle sizes of the first and the second hydrogen ion conductive polymer electrolytes adsorbed to said first and second carbon particles are within a range of 30 to 200 nm and a range of 200 to 500 nm, respectively, when measured by a light-scattering photometer.

Claims 5-14 (Cancelled)